

WHAT IS CLAIMED IS:

- 5
1. A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a repellant finish chemical, a cationic material, and an sorbant polymer.
- 10
2. The device according to Claim 1, wherein the repellant finish chemical of said coating comprises a fluorochemical.
- 15
3. The device according to Claim 2, wherein the fluorochemical comprises a chemical from the perfluorocarbon groups.
- 20
4. The device according to Claim 1, wherein the repellant finish chemical of said coating comprises a silicone repellant.
- 25
5. The device according to Claim 4, wherein the silicone repellant of said coating comprises a polymer of methyl(hydrogen)siloxane.
6. The device according to Claim 4, wherein the silicone repellant of said coating comprises a polymer of dimethylsiloxane.
7. The device according to Claim 1, wherein the repellant finish chemical of said coating comprises a resin based finish.
8. The device according to Claim 7, wherein the resin based finish comprises a modified melamine formaldehyde resin based finish.

9. The device according to Claim 7, wherein the repellent finish chemical of said coating further includes a wax.

10. The device according to Claim 1, wherein the repellent finish chemical of said coating includes material selected from the group consisting of: waxes, wax-metal emulsions, and organometallic complexes.

11. The device according to Claim 1, wherein the cationic material of said coating comprises a polymeric compound.

12. The device according to Claim 1, wherein the cationic material of said coating comprises a non-polymeric organic compound.

13. The device according to Claim 1, wherein the cationic material of said coating comprises a metal salt.

14. The device according to Claim 13, wherein the metal salt comprises a water soluble salt of cations selected from the group of the periodic table consisting of: Group II, Group III, and the Transition Metals.

15. The device according to Claim 1, wherein the sorbent polymer comprises a synthetic polymer.

16. The device according to Claim 1, wherein the sorbent polymer comprises a natural polymer.

17. The device according to Claim 1, wherein said textile comprises a woven fabric.

18. The device according to Claim 1, wherein said textile comprises a knit fabric.

19. The device according to Claim 1, wherein said textile comprises a nonwoven material.

20. The device according to Claim 1, wherein said textile comprises a pile material.

21. The device according to Claim 1, further including an image disposed on the first surface of said textile having the coating thereon.

22. The device according to Claim 21, wherein the image disposed on said textile comprises a colorant selected from the group consisting of: dyes, pigments, and polymeric colorants.

23. A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a repellant finish chemical, a cationic material, and an sorbant polymer, wherein the repellant finish chemical is present on the textile in an amount ranging from about 0.01 to about 15 dry weight percent on the weight of the textile.

24. A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a repellant finish chemical, a cationic material, and an sorbant polymer, wherein the repellant finish chemical is present

on the textile in an amount ranging from about 0.1 to about 5 dry weight percent on the weight of the textile.

5 25. A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a repellant finish chemical, a cationic material, and an sorbant polymer, wherein the cationic material is present on the textile in an amount ranging from about 0.005 to about 35 dry weight percent on the weight of the textile.

10
15 26. A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a repellant finish chemical, a cationic material, and an sorbant polymer, wherein the cationic material is present on the textile in an amount ranging from about 0.01 to about 15 dry weight percent on the weight of the textile.

20 27. A device comprising:
a textile substrate having a first surface;
a coating on the first surface of said textile substrate, said coating including a repellant finish chemical, a cationic material, and an sorbant polymer, wherein the sorbant polymer is present on the textile in an amount ranging from about 0.01 to about 60 dry weight percent on the weight of the textile.

25
30 28. A device comprising:
a textile substrate having a first surface;

Inventor: Cates et al.
Express Mail Label No. EL825877127US

US PTO Customer No. 25280
Case No. 5235

5

Sub a coating on the first surface of said textile substrate, said coating including a repellent finish chemical, a cationic material, and an sorbant polymer, wherein the sorbant polymer is present on the textile in an amount ranging from about 0.1 to about 10 dry weight percent on the weight of the textile.

1004471-102201